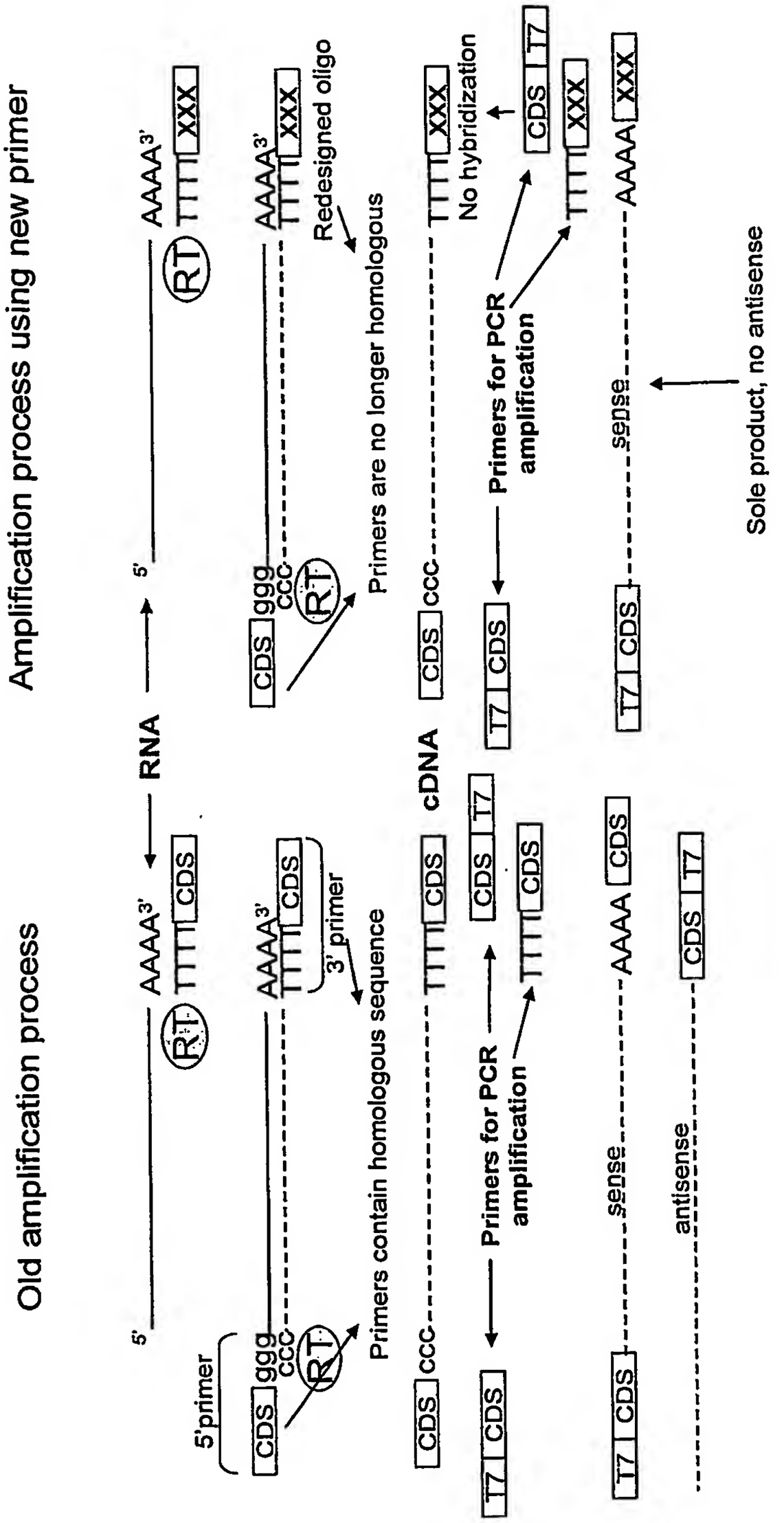
Old amplification process
5'
5'primer
CDS ggg
ccc
RT
Primers contain homologous sequence
CDS ccc
T7 CDS
Primers for PCR amplification
sense
T7 CDS
antisense
CDS T7
RNA
DNA
A
Amplification process using new primer
AAAA3'
RT
TTTT XXX
Redesigned oligo no longer homologous
No hybridization
CDS T7
Primers for PCR amplification
cDNA
3' primer
Sole product, no antisense
B

Figure 1

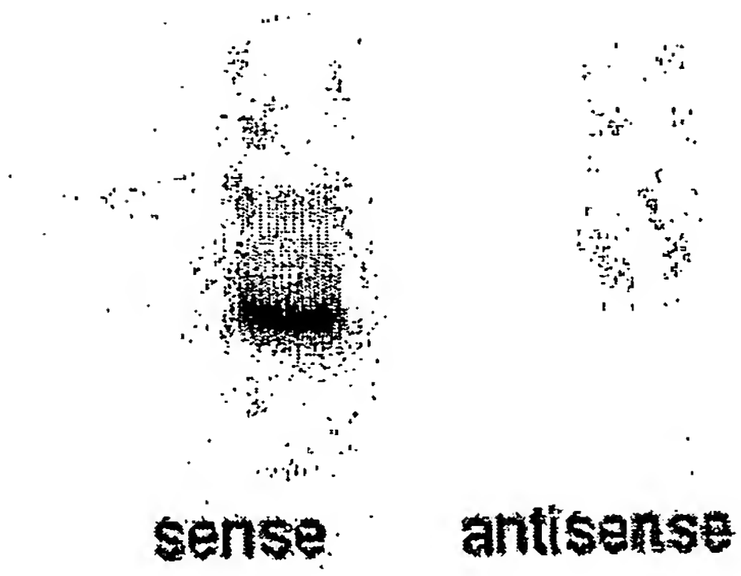

Figure 2

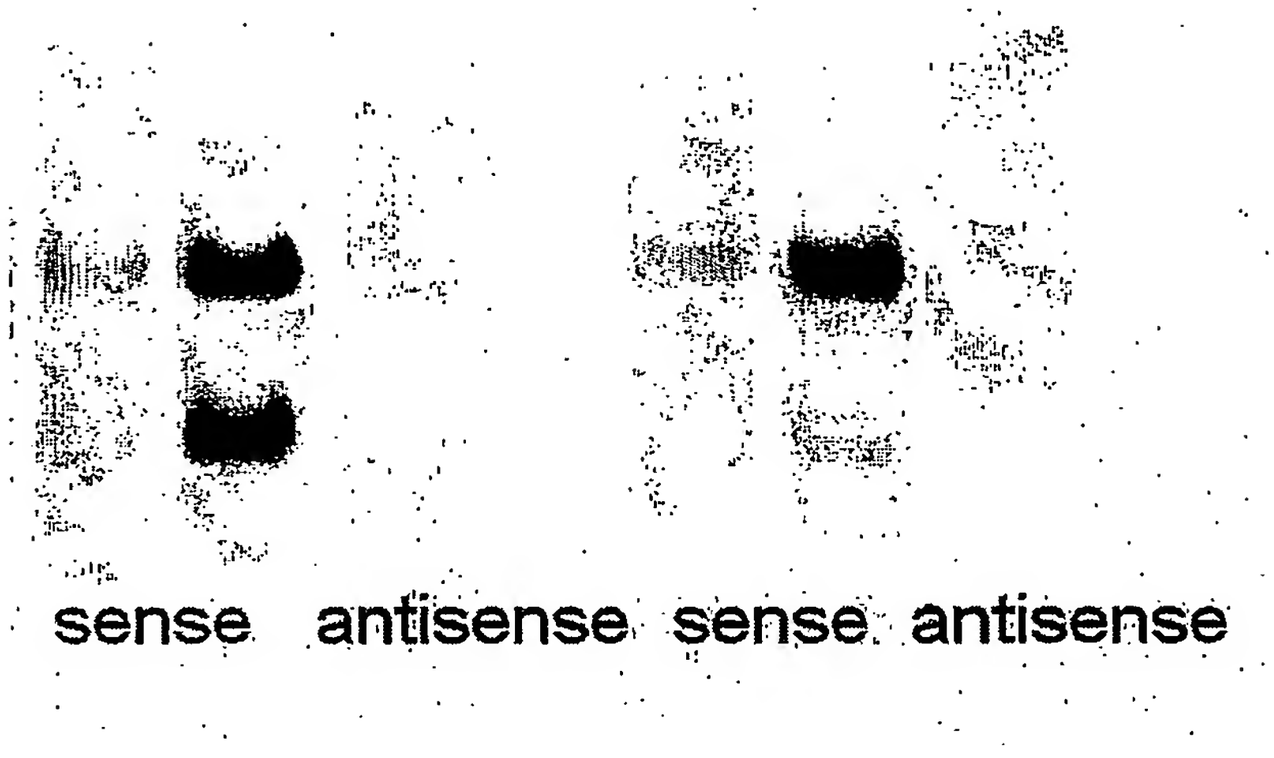

Figure 3

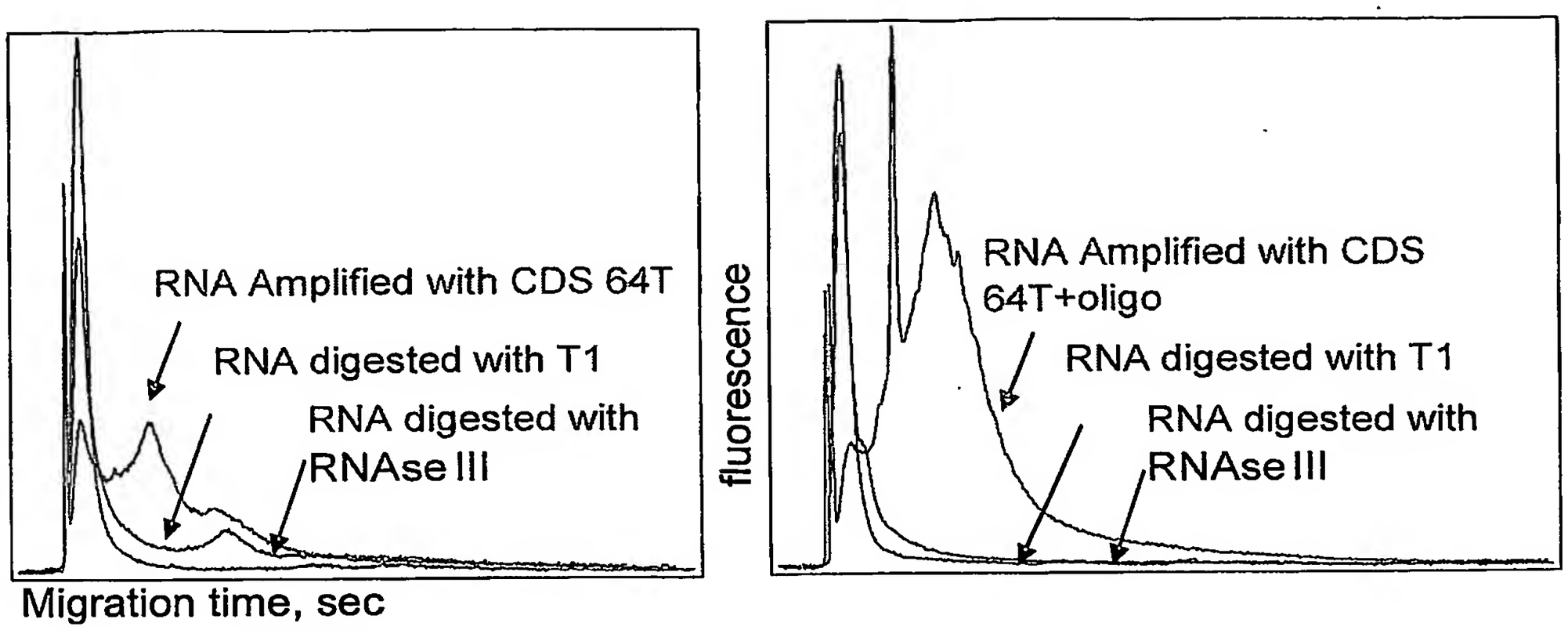
RNA Amplified with CDS 64T
RNA digested with T1
RNA digested with RNAse III
RNA Amplified with CDS 64T+oligo
RNA digested with T1
RNA digested with RNAse III
fluorescence
Migration time, sec

Figure 4

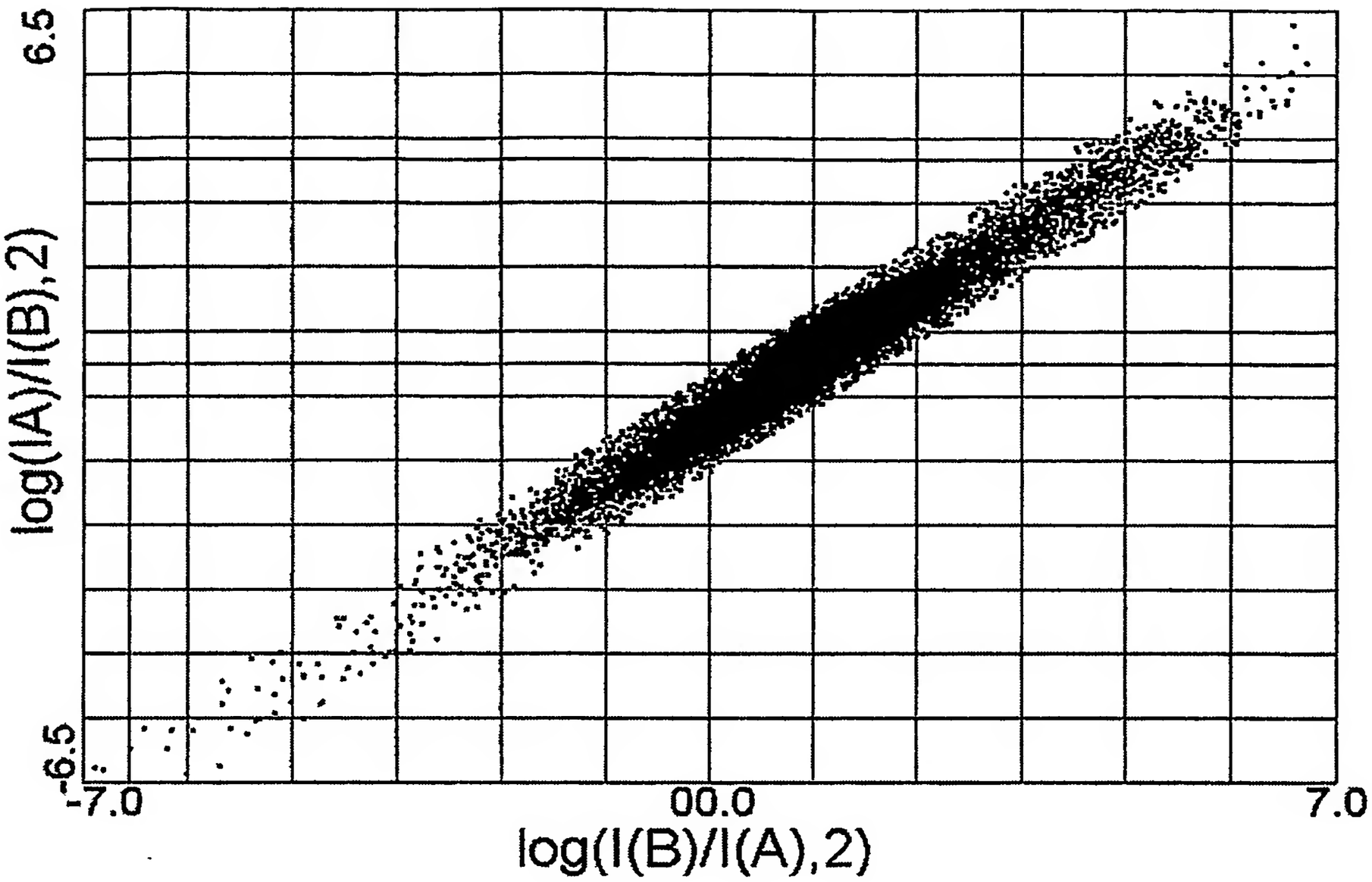

Figure 5

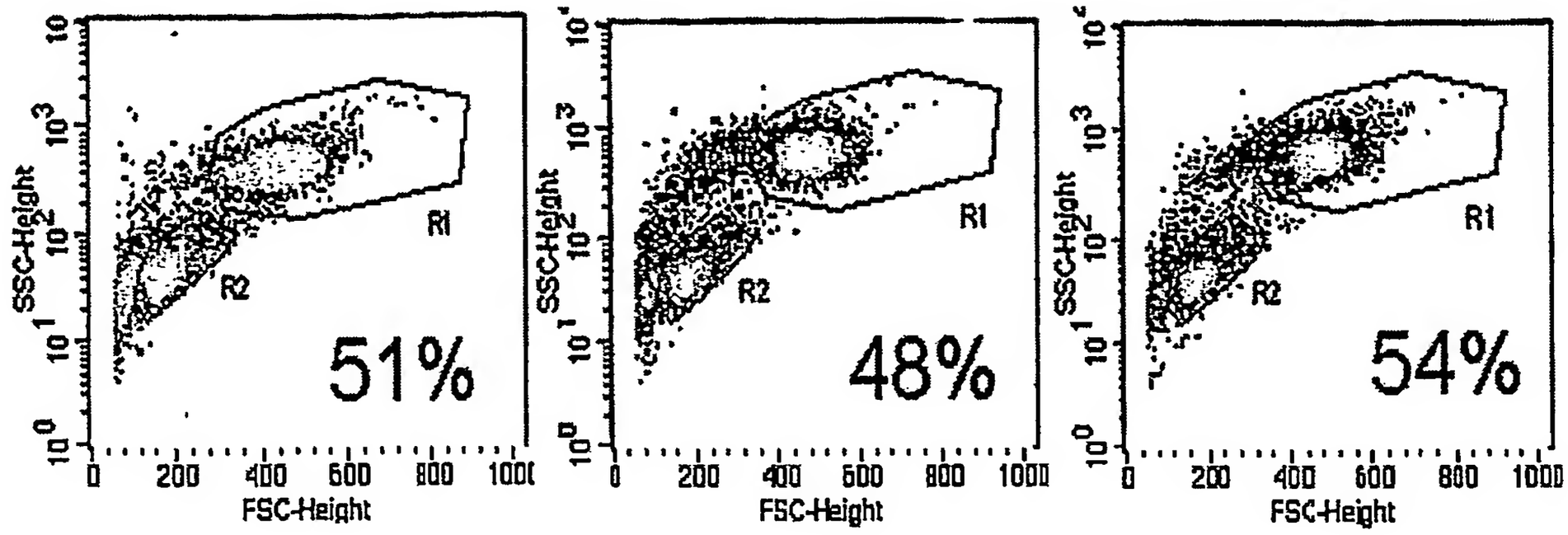

Figure 6

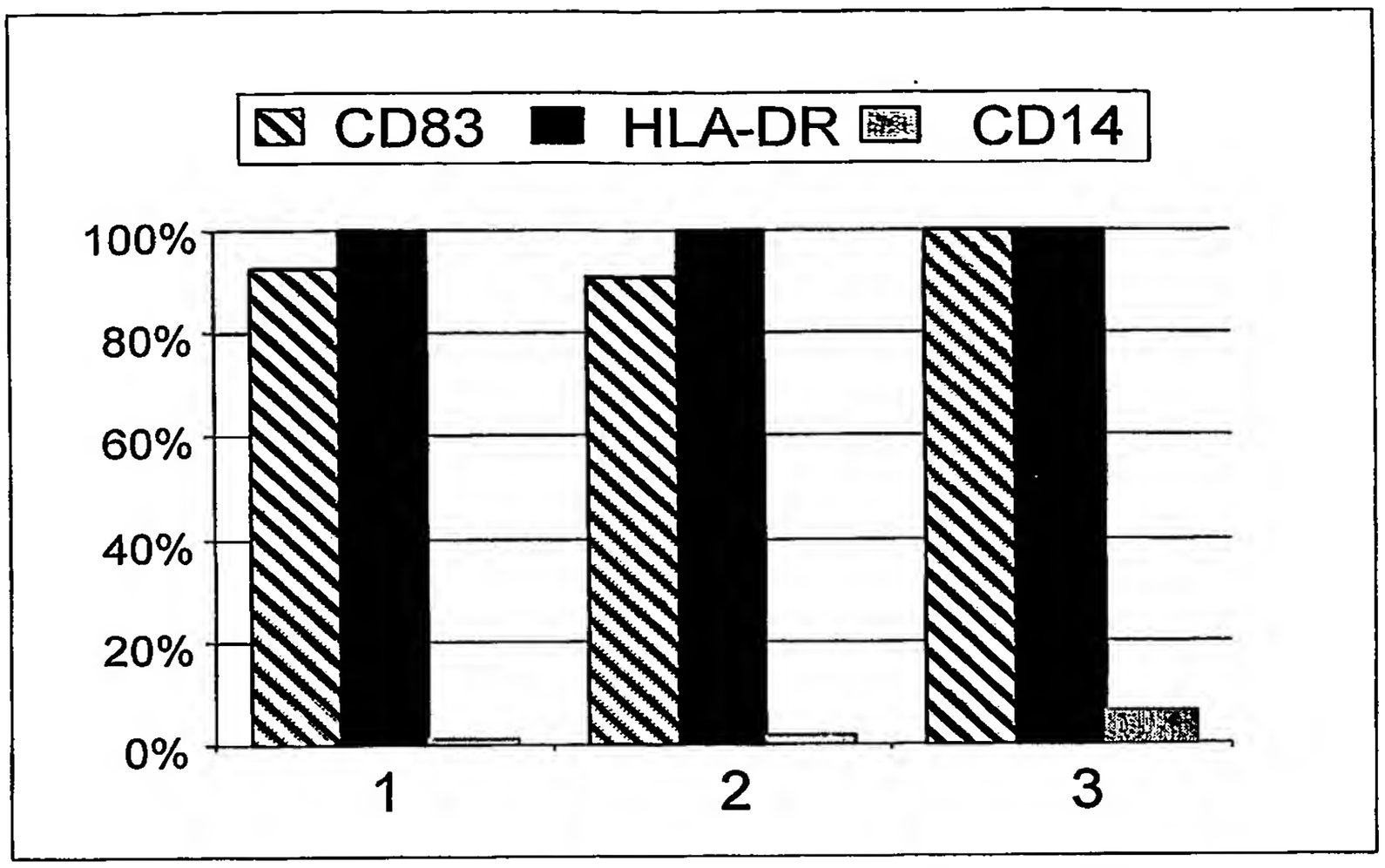

Figure 7